

Libby Estimated Technical Project Costs

Exposure/Efficacy Sampling		
Ambient Air Sampling	\$ 600,000	\$ 1,200,000
Indoor Activity Sampling	\$ 2,000,000	\$ 3,500,000
Outdoor Soils Activity Sampling	\$ 2,000,000	\$ 3,000,000
RI Investigations		
Mine	\$ 1,000,000	\$ 7,500,000
Troy	\$ 1,000,000	\$ 3,000,000
Processing Areas	\$ 500,000	\$ 1,000,000
Libby Residential/Commercial	\$ 250,000	\$ 750,000
Toxicology/Animal Studies		\$ 8,000,000
Short/Thin Fiber Model		
Comparative Toxicity		
Non-Cancer Endpoints (RfC)		
Short Term Exposure Model		
Extra Respiratory Effects		
PBPK & tissue Dosimetry		
TOTAL	\$ 7,350,000	\$27,950,000

1. Assumes need for three years of sampling
2. Grace may conduct the majority of this work if an RI/FS AOC can be negotiated
3. MDEQ has the lead, this is an estimate of EPA's share
4. Many different programs have a stake (OSWER, ORD, Regions), unsure who will take the lead.